

US EPA ARCHIVE DOCUMENT

# Meeting Ground Rules

- Be courteous and silence/put away your electronic devices.
- Adhere to meeting agenda
- One conversation at a time
- Hold all questions until the speaker has finished with the presentation

# Situation Report

## March 23, 2012

# Science Group Status

Data Collection	Data Compilation	Submittal
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## Submerged Oil Science Group

### Reassessment

Spring 2012 Sub Oil Reassessment	E			Temperature dependent
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### Hydrodynamic Assessment & Modeling

Preliminary and baseline model scenarios		2/24	Reviewed 2/22 and 2/23 in Atlanta Ga.
Develop Scenarios / Various Simulations	E	(3/23)	
Completion of Simulations	E	(3/23)	
Sensitivity Testing	E	(4/6)	
Run Modified Scenarios	E	(4/6)	

### Temperature Effects Study

Sediment sample location selection and collection		12/19	
Conduct temperature study		1/11	
Compile, evaluate, and present results	E	(3/28)	Rec'd comments on 3/19/12 - ENB addressing comments

### Submerged Oil Quantification

Fall 2011	E		
Spring 2012 (pre-recovery)	E		
Fall 2012 (post-recovery)	E		

• denotes status updates since the last report



Enbridge



Complete or N/A



Denotes Due Date



# Science Group Status

Data Collection	Data Compilation	Submittal
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## Overbank Science Group

### Reassessment

Spring 2012 Shoreline and Overbank Reassessment	(3/26)			Begin Monday
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## Containment Science Group

### Evaluate placement of containment

Hec-Ras Modeling	12/5	1/9	1/26	6 locations for modeling and installation
Hydraulic Calculations	1/10	1/23	1/26	
2D Hydrodynamic Model	2/13	E		Model runs will be complete for all 22 locations by end of ops period
Monitoring and Management Plan	1/24	1/25	2/27	

### Implementation of passive sediment collection devices

Location selection				Pending completion of hydrodynamic model
Design review				
Installation				
Post-installation review				
Design adjustments				

- denotes status updates since the last report



Enbridge



Complete or N/A



() Denotes Due Date



# Remediation Progress

Location	SCIENCE					COMPLIANCE				RECOVERY	MONITORING	Comments
	RI Work Plan	Plan Review	Investigation	Data Compilation	Presentation to OSCAR	Remediation Work Plan	Remed. Plan Review	Permit Application	Permit Review	Execution	Completion Check	
<b>Overbank</b>												
OB 14.98 I						10/17	10/15	9/28	10/10	11/18	E	
OB 5.92 RDB						12/1	12/8	11/4	12/1	1/25	E	
OB 13.40 LDB						12/22	2/7	12/21	2/9	2/23	E	
OB 8.97 I					12/15	2/17	2/24	1/25	2/24	E		Execution started 2/27
OB 9.10 LDB					1/5	2/17	2/24	1/25	2/24	3/16	E	
OB 10.37 RDB					1/12	2/17	2/24	1/25	2/24	3/22	E	
<b>Submerged Oil</b>												
SO 9.00						3/20					E	
Walling Structure							3/16	A				Submitted to MDEQ 3/16
<b>Containment</b>												
Submerged Structures I(6)						1/27	A	E				
Submerged Structures II(12)						2/27	A	E				
Containment Boom							3/21	A				
OB 8.48 LDB						E		E				Started RM Plan review 3/19
SO 11.21						E		E				
OB 11.79 LDB						E		E				
SO 26.25						E		E				

• denotes sites with status updates since the last report

E

Enbridge / In development

A

In Agency Review

()

Denotes Due Date

Complete or N/A

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Revisit Previous Phase

All Branch Progress 03-22-2012.xl



# Remediation Progress

Location

SCIENCE					COMPLIANCE				RECOVERY	MONITORING
RI Work Plan	Plan Review	Investigation	Data Compilation	Presentation to OSCAR	Remediation Work Plan	Remed. Plan Review	Permit Application	Permit Review	Execution	Completion Check

Comments

## Talmadge Creek Remediation Branch

Source Area to Division
Division to I-69
I-69 to Confluence

	9/15	9/2	10/14	12/7	
	11/28	11/14	12/6	2/10	
	1/17	1/26	12/7	1/23	3/3


## Kalamazoo River Remediation Branch

MP 2.25 to MP 3.14
MP 3.14 to MP 5.80
MP 5.80 to MP 11.00
MP 13.0
MP 11.00 to Morrow Lake

	E								
	E								
	E								
1/20	E								
2/7	3/1	E							

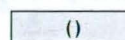

- denotes sites with status updates since the last report



Enbridge / In development



In Agency Review



Denotes Due Date



Complete or N/A



Revisit Previous Phase

All\_Branch\_Progress\_03-22-2012.xlsx



# Daily Progress Tracking

## Personnel / Resources Deployed

	3/21/2012	3/20/2012
Talmadge Creek Remediation	12	12
Kalamazoo River Remediation	21	20
Containment	7	7
Submerged Oil	8	2
Overbank	30	18
Waste Management	12	25
Security & Flaggers	11	11
Operations Center	65	68
Comm. Centers	8	7
EPA	1	1
EPA Contractors	16	16
Other Agencies	1	1
DEQ	6	6
DEQ Contractors	3	4
<b>TOTAL</b>	<b>201</b>	<b>198</b>

	3/21/2012	3/20/2012
Vac & Tanker Trucks	1 0	1 0
Frac Tanks	1 0	1 0
Boats**	10 0	8 0
Yellow Iron***	6 0	6 0
Roll-Off Boxes	10 0	10 0
Boom Locations	10	10
Boom in River (ft)	1,975 0	1,975 0



# Facility Sites

- 886 CY in cells
- 300 gal water
- 10 Roll offs





# Significant Activities

- **Overbank:**
  - OB 8.97 I
  - OB 10.37 RDB
- **SORT**
- **RI:**
  - MP 2.25 to Morrow Lake
- **River Reopening**
  - MP -2.7 to Saylor's Landing







03/22/2012 12:32

Ceresco Dam 3/22









OB 10.37 RDB 3/22



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# Reassessment Progress

## SORT

- 6 teams
- 426 polygons

### Schedule:

- Mobilization
  - Sunday, March 25<sup>th</sup>
- Goal for field activities Completion
  - Friday, April 6<sup>th</sup> at noon

### Team Structure:

- SORT Lead
- GIS/Data Management
- ROW
- Operations

SORT PROGRESS 3/22/12		
Assessment Complete	0.0%	0 / 426 locations
Add'l Assessment Req'd	0.0%	0 locations
Schedule Elapsed/Remaining	0.0%	12 days rem.
Estimated Completion: 12 work days		



# Significant Activities

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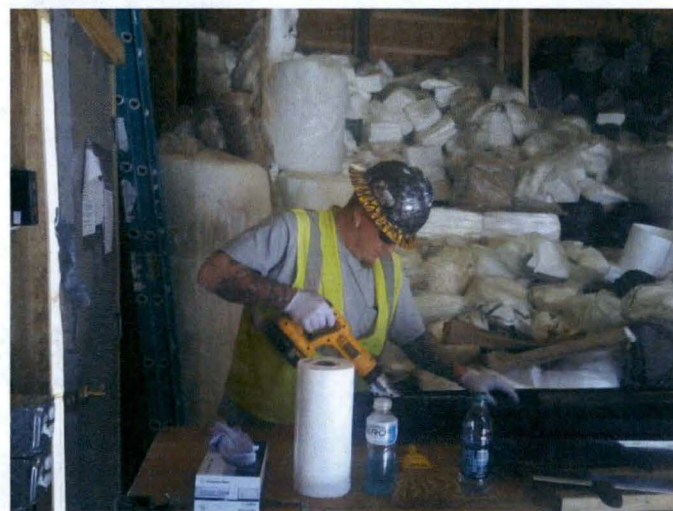


MP 10.7 3/22



# Significant Activities

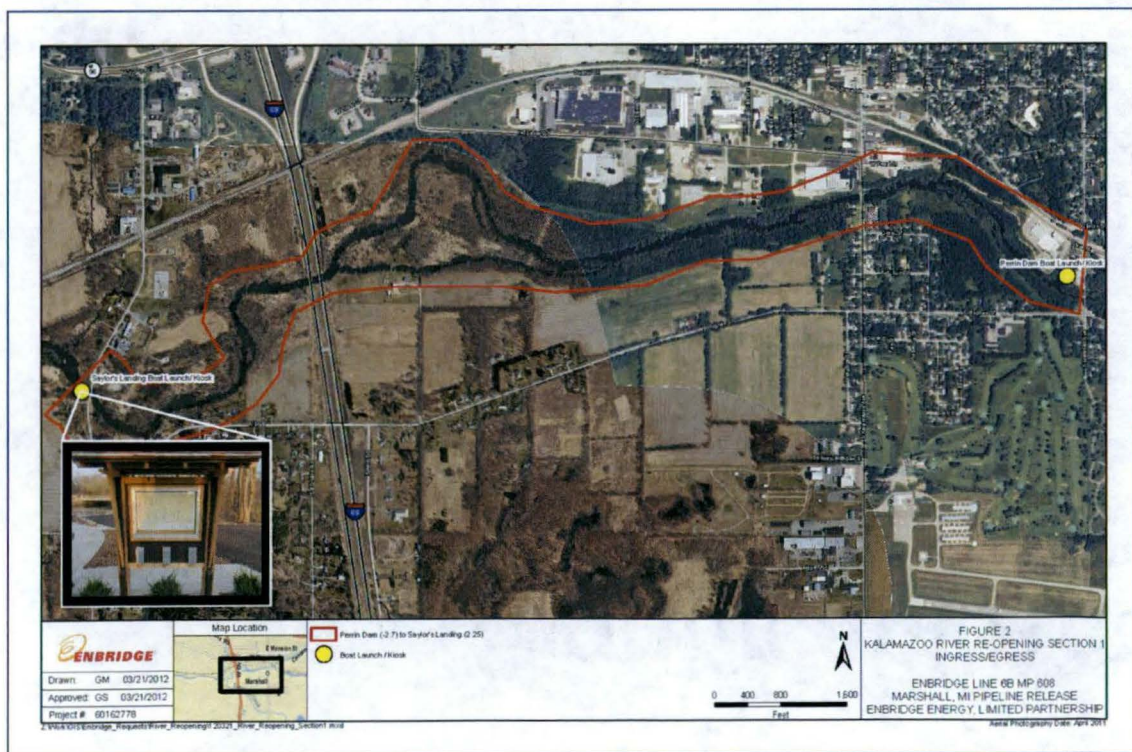
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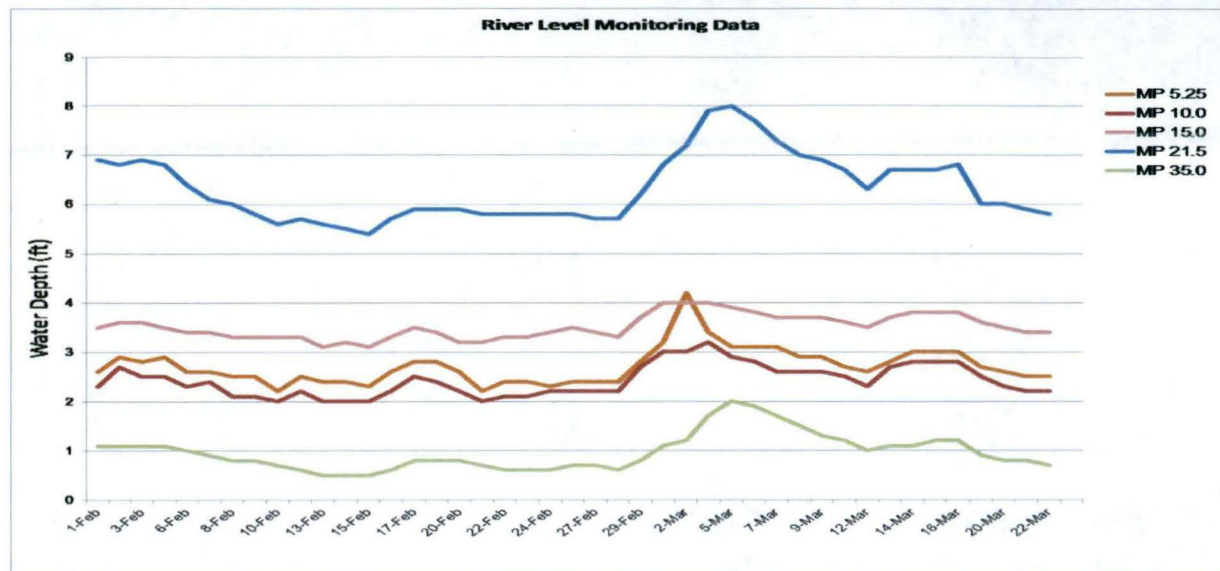
# River Reopening Progress

- Discussions at the earliest possible convenience with DNR regarding buoy permit

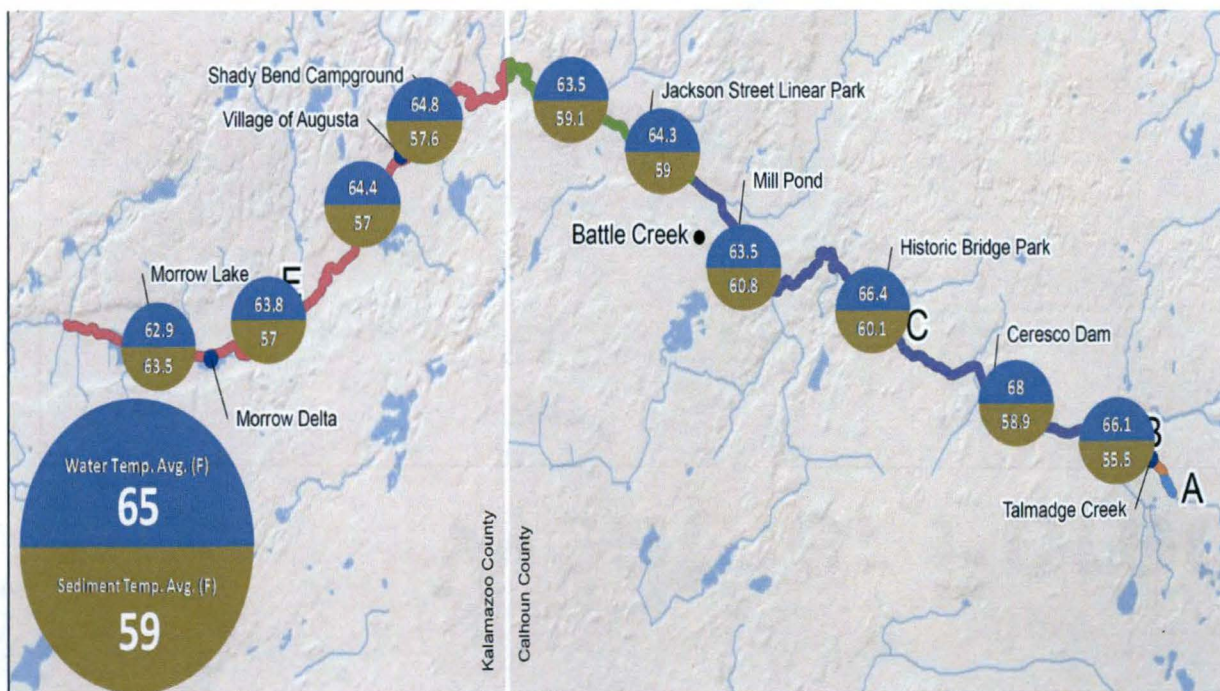




# Water Conditions







DISCHARGE RATES (cfs)		
	3/21	3/22
Marshall, MI	516	599
<i>Historical Median</i>	467	465
Battle Creek, MI	972	948
<i>Historical Median</i>	1050	1040





# Weather Forecast

<b>Fri</b> 23	<b>Sat</b> 24	<b>Sun</b> 25	<b>Mon</b> 26
			
T-Storms	Few Showers	Mostly Sunny	Sunny
<b>71°</b> High	<b>70°</b> High	<b>66°</b> High	<b>64°</b> High
<b>56°</b> Low	<b>50°</b> Low	<b>44°</b> Low	<b>37°</b> Low
Chance of Rain: 80%	Chance of Rain: 30%	Chance of Rain: 0%	Chance of Rain: 0%



# Command & General Staff Updates for UC



# Closing Remarks

- Enbridge
- DEQ
- US EPA